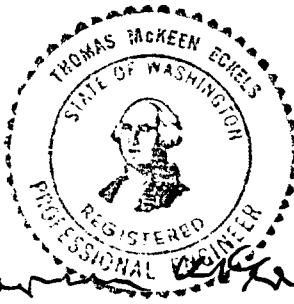


Statement of Engineer

This Engineering Amendmnet, prepared on behalf of Skyride Unlimited, Inc., has been prepared under my direct supervision. All representations contained herein are true to the best of my knowledge. I am an experienced radio engineer whose qualifications are a matter of record with the Federal Communications Commission. I am a partner in the firm of Hatfield and Dawson Consulting Engineers and am Registered as a Professional Engineer in the State of Washington.

October 31, 1991



Thomas McKeen Eckels

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ENGINEERING AMENDMENT:

TO AN APPLICATION FOR
A NEW NON-COMMERCIAL
EDUCATIONAL FM STATION
CHANNEL 215 B, 90.9 MHZ

SHAFTER, CALIFORNIA

SKYRIDE UNLIMITED, INC.

10/91

1. Purpose of Application

This Engineering Amendment supplies additional and corrected data to an application, BPED-901004MM, for a new non-commercial educational FM station at Shafter, California, previously submitted by Skyride Unlimited, Inc. In response to letter #8920-AJA from the F.C.C. dated October 22, 1991, the vertical plan sketch and form 340 V-B have been revised to correct metric conversion round-off error. The amended pages specify an overall tower height that is in agreement with the tower file database. This error results from the fact that the Commission requires data to be submitted in whole meters while the F.A.A. requires that data be submitted in feet.

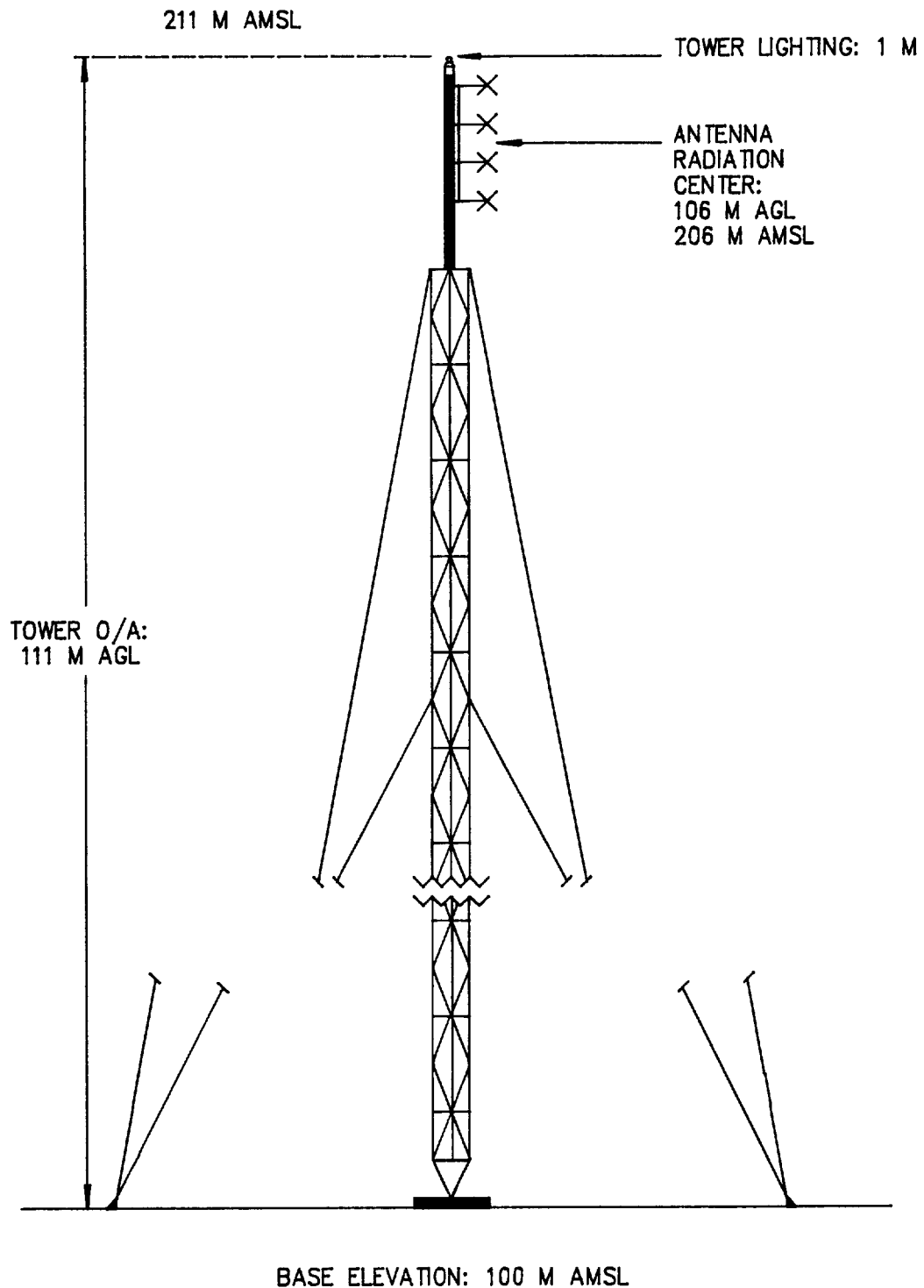
The referenced letter also requests that applicants supply a statement to address the issue of potential occupational hazards from RF exposure to station personnel working on the tower. The NIER portion of the Engineering Report has been revised to include such a statement. The revised page is included herein.

These calculations show that the maximum calculated power density produced at two meters above ground level by the proposed operation is $184 \mu\text{W}/\text{cm}^2$, less than 19% of the applicable ANSI limit.

The site is located in a rural area and public access is restricted by a locked gate. The antenna tower is posted with warning signs and all station personnel and contractors are required to follow appropriate safety procedures before any work is commenced on the antenna tower.

b. Blanketing Contour

The 115 dbu contour for the proposed facilities extends 2.79 kilometers from the tower, based on the calculation methodology shown in §73.318 of the Commission's Rules. The proposed transmitter site is located in the Greeley Oil Field, and the area within the proposed blanketing contour is essentially unpopulated. The height of the proposed tower and the vertical radiation characteristics of the proposed antenna should abrogate any adverse effects on other communications facilities in the vicinity of the proposed station. If such adverse effects occur, the applicant will be responsible for their amelioration as prescribed in §73.318 of the Commission's Rules.



HATFIELD & DAWSON
CONSULTING ENGINEERS

EXHIBIT VB-8
VERTICAL PLAN SKETCH
NEW NCE FM SHAFTER, CA 10/91

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	'	"	Longitude	0	'	"
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5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.
N/ADate 9/28/90Office where filed WESTERN PACIFIC OFFICE

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>GOTTLIEB (PVT)</u>	<u>6.6 KM</u>	<u>149° T</u>
(b) _____	_____	_____

7. (a) Elevation: *(to the nearest meter)*(1) of site above mean sea level; 100 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 111 meters(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 211 meters(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical(1) above ground 106 meters (H)106 meters (V)(2) above mean sea level [(a)(1) + (b)(1)] 206 meters (H)206 meters (V)(3) above average terrain 100 meters (H)100 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
VB-8

9. Effective Radiated Power:

(a) ERP in the horizontal plane

50.0 kw (H) 50.0 kw (V)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.
DNA


_____ kw (H) _____ kw (V)

*Polarization

Statement of Engineer

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